

# DATA DICTIONARY

- PecPocket

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[illegible]

	Process Name	<b>7.0 Pec Social</b>								
	Description	Find other students and view their profile to increase socializing								
	Inbound Data Flow	• Request to view profile								
	Outbound Data Flow	• Show profile								
	Process Name	<b>8.0 Study Material</b>								
	Description	Get all your course books/handouts/youtube or course links at one place via your class representative								
	Inbound Data Flow	• Request to view study material • Request to add content								
	Outbound Data Flow	• View study material								
	Process Name	<b>9.0 Attendance</b>								
	Description	Keep track of your attendance by marking your classes								
	Inbound Data Flow	• Get list of subjects • Set subject wise attendance • Get attendance								
	Outbound Data Flow	• View attendance • Show attendedance • Request for subjects of user								
	Process Name	<b>10. Hamburger Menu</b>								
	Description	To access your profile and other settings for the app								

[illegible]



3	Data Flow Name	Login Status						
	Description	The login credentials are sent to the database to verify						
	From Process	2.1 Login						
	To Process	-						
	Data Structures	SignUp, Authorization						
4	Data Flow Name	Access level check						
	Description	To check the authorization level of the user						
	From Process	2.1 Login						
	To Process	-						
	Data Structures	Authorization						
5	Data Flow Name	Student detail check						
	Description	Existence status of the user is checked from the database						
	From Process	2.2 Sign-up						
	To Process	-						
	Data Structures	Super						

6	Data Flow Name	Sign-up attempt						
	Description	Check identity of the user						
	From Process	-						
	To Process	2.2 Sign-up						
	Data Structures	SignUp						
7	Data Flow Name	Update login state and auth level						
	Description	The login state and auth level are updated in the local storage						
	From Process	2.2 Sign-up						
	To Process	-						
	Data Structures	User Table (Local Storage)						
8	Data Flow Name	Update username and password						
	Description	The username and password (saved hashed) are saved into the database						
	From Process	2.2 Sign-up						
	To Process	-						
	Data Structures	SignUp						

9	Data Flow Name	Subject/Club/Society details						
	Description	The subejcts/club details of the user are asked for other features						
	From Process	2.3 Enter Details						
	To Process	-						
	Data Structures	SignUp, Personal, Subject Table (Local Storage)						
10	Data Flow Name	Upload Documents						
	Description	to upload your own personal material and documents						
	From Process	-						
	To Process	3.0 Custom Folder						
	Data Structures	InApp Storage						
11	Data Flow Name	View Documents						
	Description	to view the uploaded documents						
	From Process	3.0 Customer Folder						
	To Process	-						
	Data Structures	InApp Storage						















36	Data Flow Name	Upload study material							
	Description	CRs upload relevant study material for their respective subjects							
	From Process	-							
	To Process	8.0 Study Material							
	Data Structures	-							
37	Data Flow Name	Request to view study material							
	Description	Request to view study material of a certain subject							
	From Process	-							
	To Process	8.0 Study Material							
	Data Structures	-							
38	Data Flow Name	View study material							
	Description	Show the study material for that respective subject							
	From Process	-							
	To Process	8.0 Study Material							
	Data Structures	-							
39	Data Flow Name	Class attended/not attended							
	Description	Mark the classes you attended as well as not attended for a subject							
	From Process	-							
	To Process	9.1 Mark attendance							
	Data Structures	Attendance Table & Subject Table (Local Storage)							

















































# DATA DICTIONARY

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	DATA ELEMENTS									
	Element Name	1. SID								
	Description	Unique Identification number for each student who uses the application								
	Type	Integer								
	Length	8								
	Element Name	2. Name								
	Description	Name of the student of PEC using the application								
	Type	String								
	Length	100								
	Element Name	3. Email								
	Description	Official College Email Address of the student of PEC using the application								
	Type	String								
	Length	100								



	Element Name	<b>8. Year</b>							
	Description	Current academic year of the student in PEC							
	Type	Integer							
	Length	1							
	Element Name	<b>9. Semester</b>							
	Description	Current Semester number of the student in PEC							
	Type	Integer							
	Length	1							
	Element Name	<b>10. Club_codes</b>							
	Description	A string of double digit club codes concatonated together based on the respective clubs and technical societies a student is a part of.							
	Type	String							
	Length	50							
	Element Name	<b>11. Insta</b>							
	Description	Holds the Instagram handle of a student.							
	Type	String							
	Length	50							







		A string that stores the name of the subject based on the respective subjects that the user decides to keep a track of							
	Description								
	Type	String							
	Length	100							
	Element Name	<b>22. Subtitle</b>							
	Description	A string that stores the name of the subtype subject based on the respective subjects that the user decides to keep a track of (Eg Lecture, Lab, Tutorial)							
	Type	String							
	Length	20							
	Element Name	<b>23. classesAttended</b>							
	Description	Integer that stores the number of classes attended of a particular subject and respective subtitle							
	Type	Integer							
	Length	2							
	Element Name	<b>24. totalClasses</b>							
	Description	Integer that stores the number of classes attended of a particular subject and respective subtitle							
	Type	Integer							
	Length	2							
	Element Name	<b>25. Club</b>							
	Description	A string that stores the name of the Club/Society that the user chooses to be a part of							
	Type	String							
	Length	50							
	Element Name	<b>26. description</b>							
		String that contains the subject and subtitle concatenated based on the respective entry in the Custom							

	Description	Reminders Table								
	Type	String								
	Length	150								
	Element Name	27. year								
	Description	Integer that stores the year that corresponds to the date of an entry in the Custom Reminders Table								
	Type	Integer								
	Length	4								
	Element Name	28. Month								
	Description	Integer that stores the month that corresponds to the date of an entry in the Custom Reminders Table								
	Type	Integer								
	Length	2								
	Element Name	29. Day								
	Description	Integer that stores the day that corresponds to the date of an entry in the Custom Reminders Table								
	Type	Integer								
	Length	2								
	Element Name	30. Hour								
	Description	Integer that stores the hour that corresponds to the date of an entry in the Custom Reminders Table in 24 hour format								
	Type	Integer								
	Length	2								
	Element Name	31. Minute								

	Description	Integer that stores the Minute that corresponds to the date of an entry in the Custom Reminders Table							
	Type	Integer							
	Length	2							
	Element Name	<b>32. getNotified</b>							
	Description	Boolean that stores the user's option regarding whether they want to get notified when an entry in the custom reminders reaches its arrival date							
	Type	Boolean							
	Length	1							
	Element Name	<b>33. SubjectCode</b>							
	Description	A string that stores the name of the subject code corresponding to a subject based on the respective subjects that the user decides to keep a track of							
	Type	String							
	Length	6							
	Element Name	<b>34. Title</b>							
	Description	A String that stores the subject and subtitle concatenated which stores the title of an entry in the attendance table							
	Type	String							
	Length	150							
	Element Name	<b>35. startYear</b>							
	Description	An integer that stores the starting year of an event in the Timetable table							
	Type	Integer							
	Length	4							
	Element Name	<b>36. startMonth</b>							

	Description	An integer that stores the starting month of an event in the Timetable table							
	Type	Integer							
	Length	2							
	Element Name	<b>37. startDay</b>							
	Description	An integer that stores the starting day of an event in the Timetable table							
	Type	Integer							
	Length	2							
	Element Name	<b>38. starHour</b>							
	Description	An integer that stores the starting hour of an event in the Timetable table in a 24 hour format							
	Type	Integer							
	Length	2							
	Element Name	<b>39. startMinute</b>							
	Description	An integer that stores the starting minute of an event in the Timetable table							
	Type	Integer							
	Length	2							
	Element Name	<b>40. endYear</b>							
	Description	An integer that stores the starting year of an event in the Timetable table							
	Type	Integer							
	Length	4							
	Element Name	<b>41. endMonth</b>							
	Description	An integer that stores the starting month of an event in the Timetable table							

	Type	Integer							
	Length	2							
	Element Name	<b>42. endDay</b>							
	Description	An integer that stores the starting day of an event in the Timetable table							
	Type	Integer							
	Length	2							
	Element Name	<b>43. endHour</b>							
	Description	An integer that stores the starting hour of an event in the Timetable table in a 24 hour format							
	Type	Integer							
	Length	2							
	Element Name	<b>44. endMinute</b>							
	Description	An integer that stores the starting minute of an event in the Timetable table							
	Type	Integer							
	Length	2							
	Element Name	<b>45. Interval</b>							
	Description	An integer that stores how frequently an event is repeated in the Timetable table (eg. 7 for weekly, 365 for other)							
	Type	Integer							
	Length	3							
	Element Name	<b>46. SID</b>							
	Description	An integer that stores the sid that a user signs up with							
	Type	Integer							
	Length	8							

	Element Name	<b>47. Password</b>							
	Description	A string that the user chooses to sign up with							
	Type	String							
	Length	20							
	Element Name	<b>48. Auth</b>							
	Description	An integer that stores the authorisation level of a user, 0 = student, 1 = CR, 2 = Club/Society Secretary/Joint Secretery							
	Type	Integer							
	Length	1							
	Element Name	<b>49. Login</b>							
	Description	An integer that stores the login status of a user, 0 = logged out, 1 = logged in							
	Type	Integer							
	Length	1							

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	DATA STORES								





	Data Store Name	<b>6. Club_converter Table</b>		
	Description	Used to convert club codes to their respective names.		
	Inbound Data Flows	10.1 Request names of clubs corresponding to club codes 10.3 Request search results		
	Outbound Data Flows	10.1 Give required club names 10.3 Get search results		
	Data Description	Club_code(primary key), Club		
	Data Store Name	<b>7. Notifications Table</b>		
	Description	Used to store the notifications sent by the CRs and the Club heads. Contains general information about a notification		
	Inbound Data Flows	6.1 Store details for notifications		
	Outbound Data Flows	6.2 Get notification details		
	Data Description	Noti_id (primary key), Topic, Description, Date, Time		
	Data Store Name	<b>8. Student_Noti Table</b>		
	Description	Used to map students with the respective notifications to be sent to them. Automatically deletes the notification for a student once they have received them.		
	Inbound Data Flows	6.2 Update notification details for that club 6.4 Update notification details for that CR 6.5 Request pending notifications		
	Outbound Data Flows	6.5 Get pending notifications for that user		
	Data Description	[SID, Noti_id(foreign key)](primary key)		





















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	DATA STORES									
	Data Structure Name	Values								
	1. Super =	SID + Name + Email								
	2. SignUp =	SID + Password								
	3. Auth =	SID + Auth + Domain								
	4. Personal =	+ Name + Branch + Year + Semester + (Club_codes) + (Insta)								
	5. Sub_converter =	Sub_code + Subject								
	6. Club_converter =	Club_code + Club								
	7. Notifications =	Noti_id + Topic + Description + Date + Time								
	8. Student_Noti =	SID + Noti_id								
	9. Attendance =	Subject, Subtitle + ClassAttended + TotalClasses								
	10. Clubs =	ClubName + id								
	11. Reminder =	Description + Year + Month + Day + Hour + getNotified								
	12. Subjects =	SubjectCode + Subject								
	13. Timetable =	Title + startYear + startMonth + startDay + StartHour + startMinute + endYear + endMonth + endDay + endHour + endMinute + interval								